

# EUI HYUN KIM

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## PROFESSIONAL SUMMARY

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Software engineer with quantitative finance background, specializing in data-intensive applications and automation. Track record includes 2,600% portfolio growth through statistical analysis, 75% efficiency improvement via data automation, and development of production AI systems. Seeking MS in Data Science to transition from implementing data systems to designing sophisticated analytical infrastructure for blockchain and financial technology applications.

## EDUCATION

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**Hack Reactor** Los Angeles  
[Advanced Software Engineering Immersive](#) 10/2019 - 01/2020

**Northeastern University** Boston  
[Master of Science in Finance](#) 08/2016 - 08/2017

- Thesis: "The Valuation Effects of Stock Splits and Stock Dividends" - replication study with 2003 - 2017 data
- Merit-based Scholarship 2016

**Angelo State University** San Angelo  
[Bachelor of Business Accounting](#) 01/2011 - 05/2014

- Dean's List 2012
- Member, Phi Theta Kappa Honor Society International, 2011 - 2014
- Relevant Coursework: Calculus I & II, Linear Algebra, Statistics

## PROFESSIONAL EXPERIENCE

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**cove** Atlanta  
[Frontend Engineer](#) 03/2022 - 10/2025

- Developed an internal International Building Code (IBC) AI chatbot using LlamaIndex Retrieval-Augmented Generation (RAG), enabling architects to extract domain-specific knowledge through conversational queries
- Spearheaded development of an internal BIM data automation tool that reduced COMcheck reporting time from 80 hours to 20 hours, streamlining compliance workflows and improving efficiency by 75%
- Designed and integrated 23 new BIM tools into a 3D architectural modeling platform, including ortho snapping, HVAC zone assignment, and automated energy code data aggregation
- Optimized a large-scale 3D modeling application by refactoring React and Redux code base, boosting rendering performance by 26% and enhancing user experience

**Atomic Dev** Los Angeles  
[Frontend Engineer](#) 04/2020 - 10/2020

- Developed a no-code platform that supported SQL schema creation and structured data workflows
- Enhanced user experience by streamlining workflows for data entry, schema management, and visualization tasks

**T3 Trading LLC.** New York  
[Proprietary Trader](#) 08/2018 - 05/2019

- Applied quantitative and technical analysis to trade equities, commodities, and currencies, building financial models to project target prices of equities for long/short strategies
- Conducted technology sector research by analyzing economic indicators, industry surveys, and analyst reports to forecast market trends and inform systematic trading decisions

## PROFESSIONAL EXPERIENCE

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### Self-Employed

Boston

#### Cryptocurrency Analyst/Trader

03/2017 - 04/2018

- Grew portfolio from \$25K to \$675K (+2,600%), outperforming the Total Crypto Market Capitalization (+1,384%) through technical analysis, on-chain data analysis, and statistical risk management
- Applied time-series analysis including RSI, Fibonacci retracements, and Bollinger Bands, combined with cross-exchange arbitrage strategies to identify profitable trading opportunities

### 360 Huntington Fund

Boston

#### Equity Research Analyst

09/2016 - 07/2017

- Covered four equity positions by developing quantitative valuation models (FCFF, DDM, comparables) and analyzing earnings data to deliver ongoing hold/sell recommendations to senior management
- Analyzed the fund's portfolio risk exposure using factor models (beta, size factors) and evaluated overall performance by calculating Sharpe ratio and alpha relative to the fund's benchmark index
- Conducted critical revaluation analyses on LULU (20%+ drawdown) and GOOGL (target price reached), recommending continued holdings that generated 30%+ gains through quantitative modeling and fundamental analysis

## SKILLS

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Programming & Data: Python · JavaScript · TypeScript · SQL (PostgreSQL) · Node.js

Frameworks & Libraries: LlamaIndex · React · Django · Three.js · Redux · React Native

Infrastructure & Tools: AWS · Docker · DataDog · Git · Cypress

## VOLUNTEER EXPERIENCE

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### Vegas Tech Guild

Las Vegas

#### Founder/Organizer

07/2021 - 02/2022

- Established an active community of 50+ tech professionals focused on networking, mentorship, and career growth
- Partnered with local non-profits to build technology solutions addressing community challenges in Las Vegas

### Hack for LA

Los Angeles

#### Lead Software Engineer

03/2020 - 07/2020

Hack for LA is a network of civic-minded technologists who contribute their skills toward using the web as a platform for local government and community service.

- Led a team of software engineers in building a civic tech platform that visualized geospatial parking citation data for the City of Los Angeles using Mapbox GL JS
- Built scalable back-end architecture (Node.js and PostgreSQL) to support geospatial data analytics and rendering
- Collaborated with data scientists to design an interactive map interface with filtering, trend analysis, and heat map capabilities, processing large-scale parking citation datasets to improve public access to parking information